

## **In the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims**

1. (Original) A computer implemented data distribution method for radar data, comprising the steps of:

- (a) receiving at least one distribution group, wherein each distribution group corresponds to a data storage terminal and comprises at least one source code, wherein each source code corresponds to a data collection terminal and has a priority level for representing a processing order therein;
- (b) calculating distances between the data storage terminal and the composed data collection terminal and selecting the source code with the shortest distance for each distribution group;
- (c) if source code is selected repeatedly in the distribution groups, comparing the priority levels of the source code in the repeated distribution groups and selecting the source code for a distribution group in which the source code has a highest priority level;
- (d) if the priority levels of the source code are the same, calculating distances between the data storage terminals and the data collection terminal corresponding to the repeated source code, and selecting the source code for the distribution group which has the shortest distance; and
- (e) executing step (c) and step (d) until the source code is all selected.

2. (Original) The computer implemented data distribution method as claimed in claim 1, wherein the data collection terminals are radar terminals for collecting radar data and the data storage terminals are radar data control terminals for storing the radar data.

3. (Original) The computer implemented data distribution method as claimed in claim 2, wherein the distribution groups are produced by distributing the radar data to the data storage terminals according to a Mosaic distribution rule.

4. (Original) The computer implemented data distribution method as claimed in claim 2, further comprising the steps of:

combining the distribution groups and the selected source code into at least one second distribution group; and  
storing the radar data to the data storage terminals according to the second distribution group.

5. (Original) The computer implemented data distribution method as claimed in claim 1, wherein, distance calculation in step (b) and step (c) is geographic.

6. (Original) A machine-readable storage medium storing a computer program providing a computer implemented data distribution method for radar data, the method comprising the steps of:

- (a) receiving at least one distribution group, wherein each distribution group corresponds to a data storage terminal and comprises at least one source code, wherein each source code corresponds to a data collection terminal and has a priority level for representing a processing order therein;
- (b) calculating distances between the data storage terminal and the composed data collection terminal and selecting the source code with the shortest distance for each distribution group;
- (c) if the source code is selected repeatedly in the distribution groups, comparing the priority levels of the source code for the repeated distribution groups and selecting the source code in a distribution group in which the source code has a highest priority level;

- (d) in comparison of the step (c), if the priority levels of the source code are the same, calculating distances between the data storage terminals and the data collection terminal corresponding to the repeated source code, and selecting the source code in the distribution group which has the shortest distance; and
- (e) executing step (c) and step (d) until the source code is all selected.

7. (Original) The machine-readable storage medium as claimed in claim 6, wherein the data collection terminals are radar terminals for collecting radar data and the data storage terminals are radar data control terminals for storing the radar data.

8. (Original) The machine-readable storage medium as claimed in claim 7, wherein the distribution groups are produced by distributing the radar data to the data storage terminals according to a Mosaic distribution rule.

9. (Original) The machine-readable storage medium as claimed in claim 7, further comprising the steps of:

combining the distribution groups and the selected source code into at least one second distribution group; and  
storing the radar data to the data storage terminals according to the second distribution group.

10. (Original) The machine-readable storage medium as claimed in claim 6, wherein, distance calculation in step (b) and step (c) is geographic.

11. (Original) A system for radar data distribution, comprising:

a receiving module, receiving at least one distribution group, wherein each distribution group corresponds to a data storage terminal and comprises at least one source code, wherein each source code corresponds to a data collection terminal and has a priority level for representing a processing order therein;  
a first distribution module, coupled to the receiving module, calculating distances between the data storage terminal and the composed data collection terminal and selecting the source code with the shortest distance for each distribution group;

- a second distribution module, coupled to the first distribution module, if the source code is selected repeatedly for the distribution groups, comparing the priority levels of the source code for the repeated distribution groups and selecting the source code in a distribution group in which the source code has the highest priority level;
- a third distribution module, coupled to the second distribution module, if the priority levels of the source code are the same, calculating distances between the data storage terminals and the data collection terminal corresponding to the repeated source code, and selecting the source code for the distribution group which has the shortest distance; and
- a fourth distribution module, coupled to the second and the third distribution module, executing the second and the third distribution module until the source code is all selected.

12. (Original) The system as claimed in claim 11, wherein the data collection terminals are radar terminals for collecting radar data and the data storage terminals are radar data control terminals for storing the radar data.

13. (Original) The system as claimed in claim 12, wherein the distribution groups are produced by distributing the radar data to the data storage terminals according to a Mosaic distribution rule.

14. (Original) The system as claimed in claim 12, further comprising:
- a combination module, combining the distribution groups and the selected source code into at least one second distribution group; and
  - a storage module, coupled to the combination module, storing the radar data to the data storage terminals according to the second distribution group.

15. (Original) The system as claimed in claim 11, wherein distance calculation in the first and the second distribution module is geographic.